

# REPLACE ROOFS GUHLEMAN FORENSIC COMPLEX FULTON STATE HOSPITAL FULTON, MISSOURI

---



OWNER: STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR

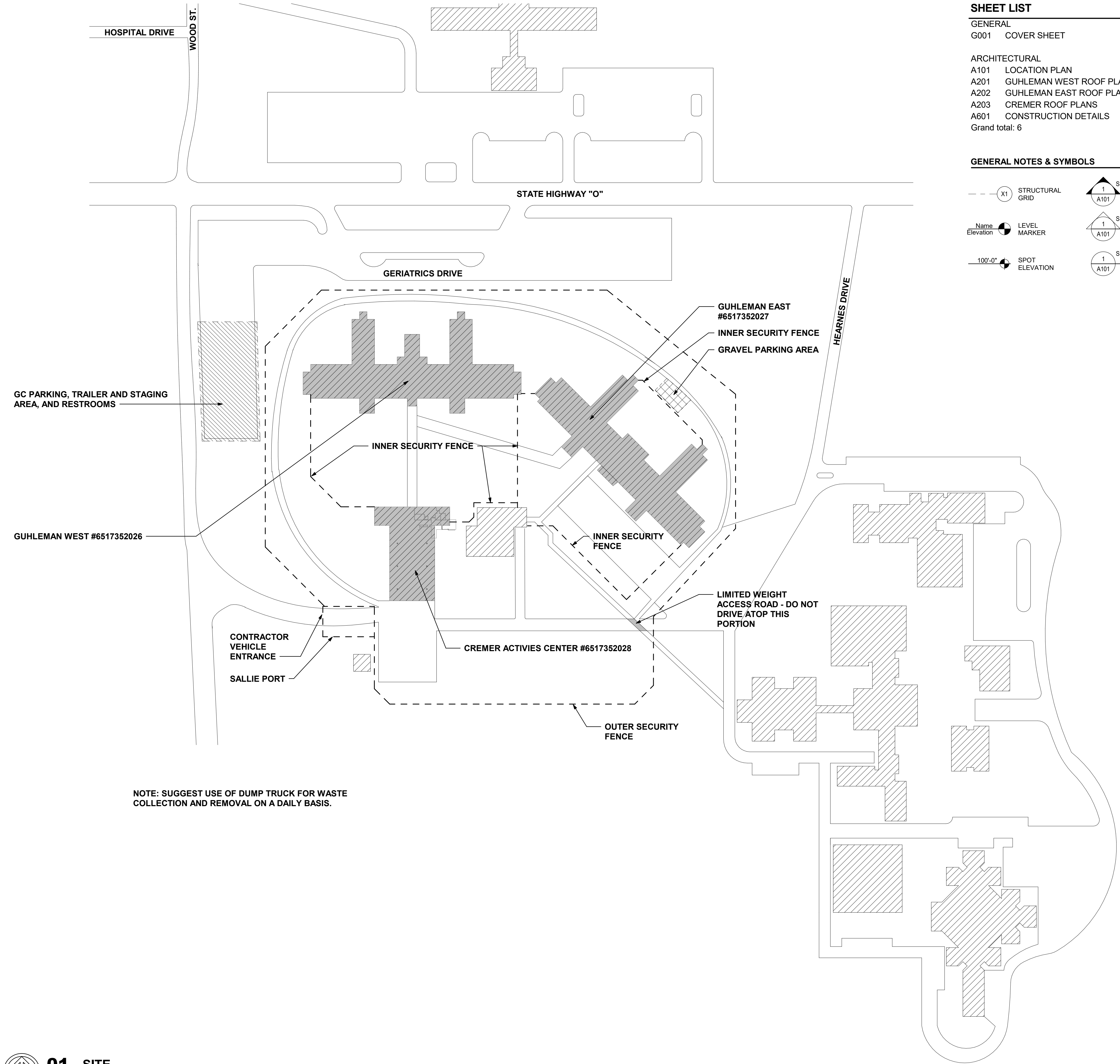
DEPARTMENT OF  
MENTAL HEALTH

DESIGNER: SIMON OSWALD ARCHITECTURE  
2801 WOODARD DRIVE, SUITE 103  
COLUMBIA, MO 65202

PROJECT NUMBER: M1906-01

ASSET NUMBER:  
GUHLEMAN WEST - 6517352026  
GUHLEMAN EAST - 6517352027  
CREMER ACTIVITY CENTER - 6517352028

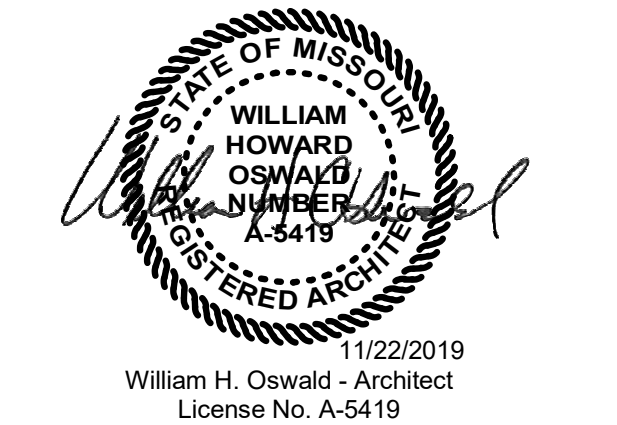
PROJECT  
MANAGEMENT: OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN AND  
CONSTRUCTION



SHEET LIST	
GENERAL	
G001	COVER SHEET
ARCHITECTURAL	
A101	LOCATION PLAN
A201	GUHLEMAN WEST ROOF PLANS
A202	GUHLEMAN EAST ROOF PLANS
A203	CREMER ROOF PLANS
A601	CONSTRUCTION DETAILS
Grand total: 6	

GENERAL NOTES & SYMBOLS			
	STRUCTURAL GRID		BUILDING SECTION
	LEVEL MARKER		WALL SECTION
	SPOT ELEVATION		DETAIL SECTION
	BUILDING ELEVATION		REVISION TAG
	WALL TAG		VIEW NAME
	NEW WORK KEYNOTE		DRAWING SHEET
	DEMOLITION KEYNOTE		REFERENCING SHEET
			TRUE NORTH ARROW

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Architecture  
Interior Design  
Planning  
Sustainability  
2801 Woodard Drive,  
Suite 103  
Columbia, MO 65202  
573.443.1407  
www.soa-inc.com  
Missouri Certificate of Authority Number: 000826

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND  
CONSTRUCTION

REPLACE ROOF  
GUHLEMAN FORENSIC  
COMPLEX FULTON  
STATE HOSPITAL  
600 EAST 5TH STREET  
FULTON, MISSOURI 65251

PROJECT # M1906-01

CONSTRUCTION DOCUMENTS

REVISION	DATE

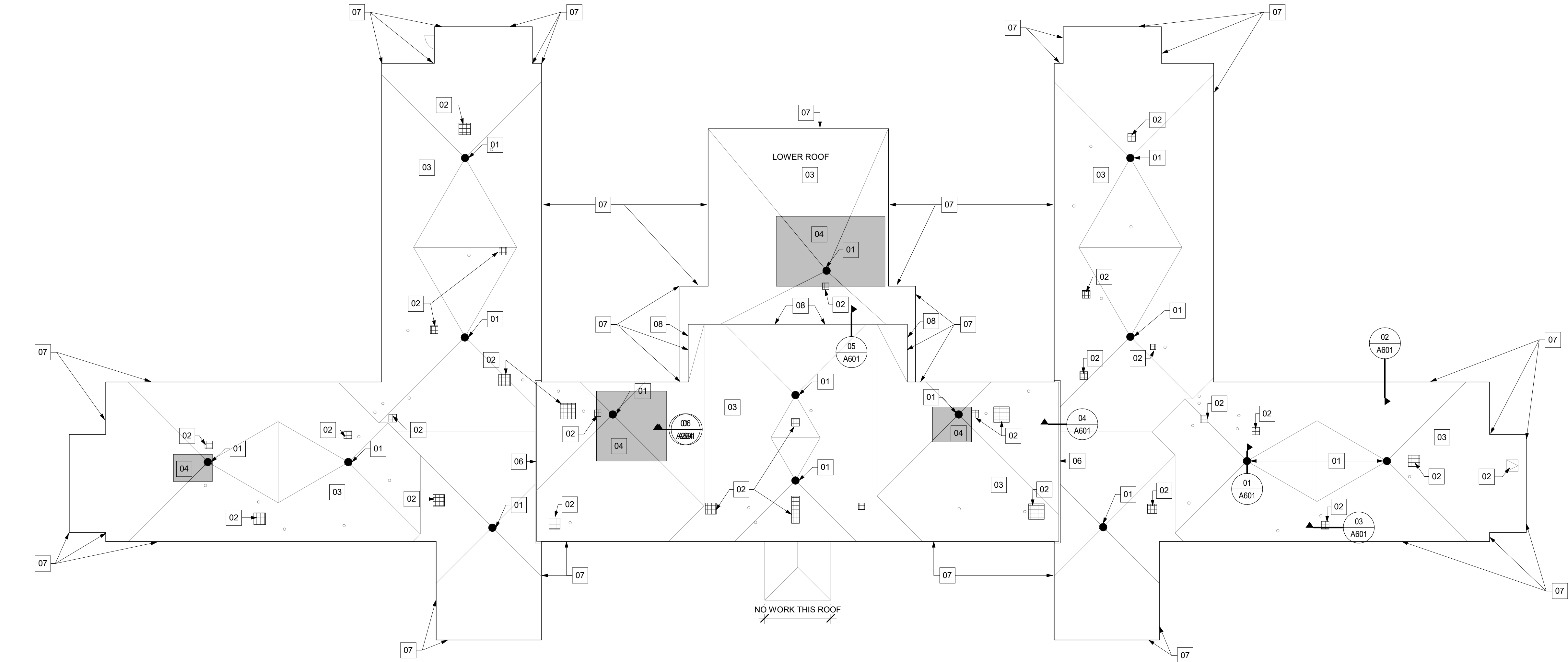
ISSUE DATE: NOVEMBER 22, 2019

CAD DWG FILE:  
DRAWN BY: KMT & JCM  
CHECKED BY: WHO  
DESIGNED BY: SOA

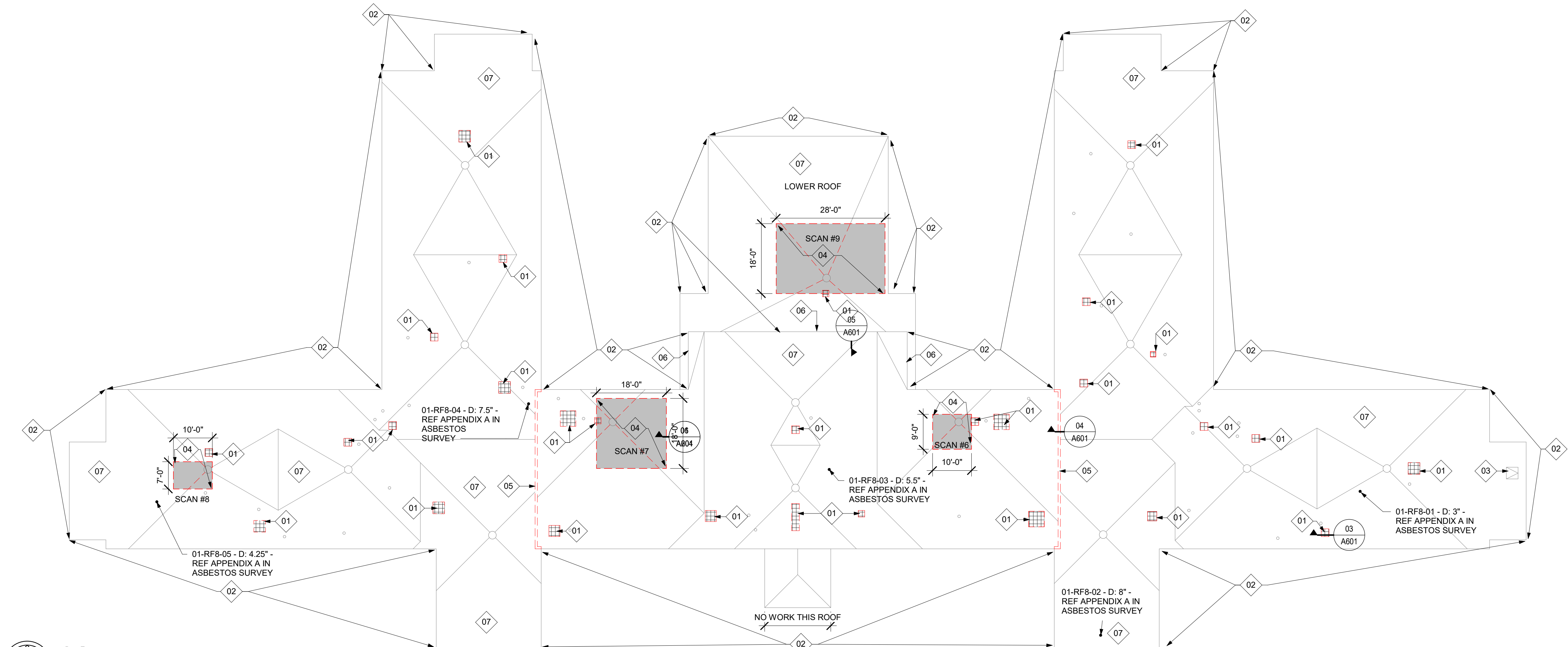
SHEET TITLE:  
LOCATION PLAN

SHEET NUMBER:  
A101  
SHEET 2 OF 6  
ISSUE DATE: NOVEMBER 22,  
2019





**02 NEW WORK - GUHLEMAN WEST ROOF**  
A201 1/16" = 1'-0"



**01 DEMO - GUHLEMAN WEST ROOF**  
A201 1/16" = 1'-0"

#### NEW WORK GENERAL NOTES

1. FIELD VERIFY ALL DIMENSIONS, IF DIMENSIONS VARY SIGNIFICANTLY NOTIFY THE ARCHITECT

#### ROOF GENERAL NOTES

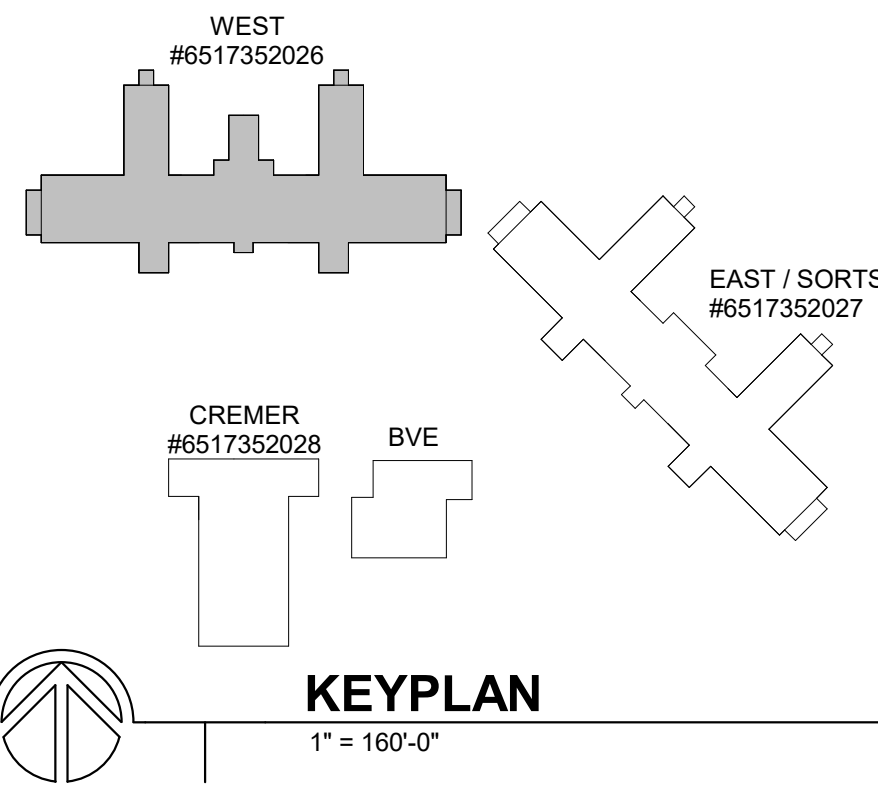
1. NEW BOOT FLASHING AT ALL VENT PIPES
2. NOTES ON DEMOLITION PLANS INDICATE WHERE CORES WERE TAKEN

#### KEYNOTES - NEW WORK PLAN

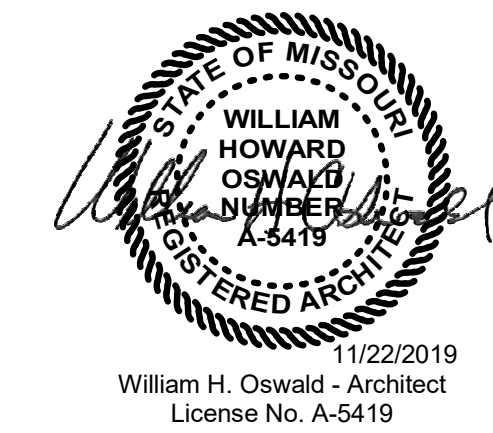
- 01 REWORK ROOF DRAINS: REMOVE CAST IRON GRATE AND CLAMPING RING, AND ALL FLASHING INSIDE DRAIN BODY. CLEAN SURFACES TO ACCEPT NEW EPDM FLASHING. REINSTALL CLAMPING RING AND CAST IRON GRATE - REFER TO A601/01
- 02 INSTALL NEW TPO FLASHING AT EXISTING CURBS UNDER METAL FLASHING
- 03 NEW FULLY ADHERED TPO ROOF ON EXISTING MODIFIED BITUMEN ROOFING
- 04 AT WET AREAS REPLACE INSULATION WITH SAME THICKNESS INSULATION, TAPER, AND COVERBOARD, AND MAKE WATERTIGHT IF RECOVER WILL NOT BE COMPLETED - REFER TO A601/06
- 05 EXISTING DOWNSPOUT TO REMAIN
- 06 FIRE RATED ROOF EXPANSION JOINT - REFER TO A601/04
- 07 NEW METAL ROOF EDGE WITH TPO FLASHING, SEE DTL A601/02
- 08 NEW REGLETT & TURNED UP FLASHING - REFER TO DETAIL A601/05
- 09 REINSTALL SPLASH BLOCKS ON WALK PADS
- 10 ROTATE ROOF HATCH DURING REINSTALLATION SUCH THAT HATCH OPENS AWAY FROM ROOF EDGE

#### KEYNOTES - DEMOLITION PLAN

- 01 EXISTING EXHAUST FAN TO REMAIN (REMOVE EXISTING TURNED UP FLASHING & PREPARE SURFACE FOR NEW TPO ROOFING)
- 02 REMOVE EXISTING ROOF EDGE & FLASHING - PREPARE SURFACE FOR NEW FLASHING & TERM BAR.
- 03 EXISTING ROOF HATCH TO REMAIN
- 04 REMOVE ROOFING (MODIFIED BITUMEN) & INSULATION DOWN TO CONCRETE DECK WHERE INDICATED (WET)
- 05 REMOVE AND DISPOSE OF EXISTING EXPANSION JOINT
- 06 REMOVE EXISTING TURNED UP FLASHING & TERM BAR/REGLET
- 07 POWER SWEEP ENTIRE ROOF SURFACE PRIOR TO INSTALLATION OF NEW TPO ROOFING
- 08 REMOVE & SALVAGE SPLASH BLOCKS FOR REINSTALLATION
- 09 REMOVE EXISTING ROOF HATCH FOR REINSTALLATION
- 10 REMOVE EXISTING LOW ROOF
- 11 REMOVE AND SALVAGE PORTION OF FENCE ABOVE ROOF FOR REINSTALLATION



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Architecture  
Interior Design  
Planning  
Sustainability  
2801 Woodard Drive,  
Suite 103  
Columbia, MO 65202  
573.443.1407  
www.soa-inc.com  
Missouri Certificate of Authority Number: 000826

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND  
CONSTRUCTION

REPLACE ROOF  
GUHLEMAN FORENSIC  
COMPLEX FULTON  
STATE HOSPITAL  
600 EAST 5TH STREET  
FULTON, MISSOURI 65251

PROJECT # M1906-01  
ASSET # 6517352026

#### CONSTRUCTION DOCUMENTS

REVISION	DATE

ISSUE DATE: NOVEMBER 22, 2019

CAD DWG FILE:  
DRAWN BY: KMT & JCM  
CHECKED BY: WHO  
DESIGNED BY: SOA

SHEET TITLE:

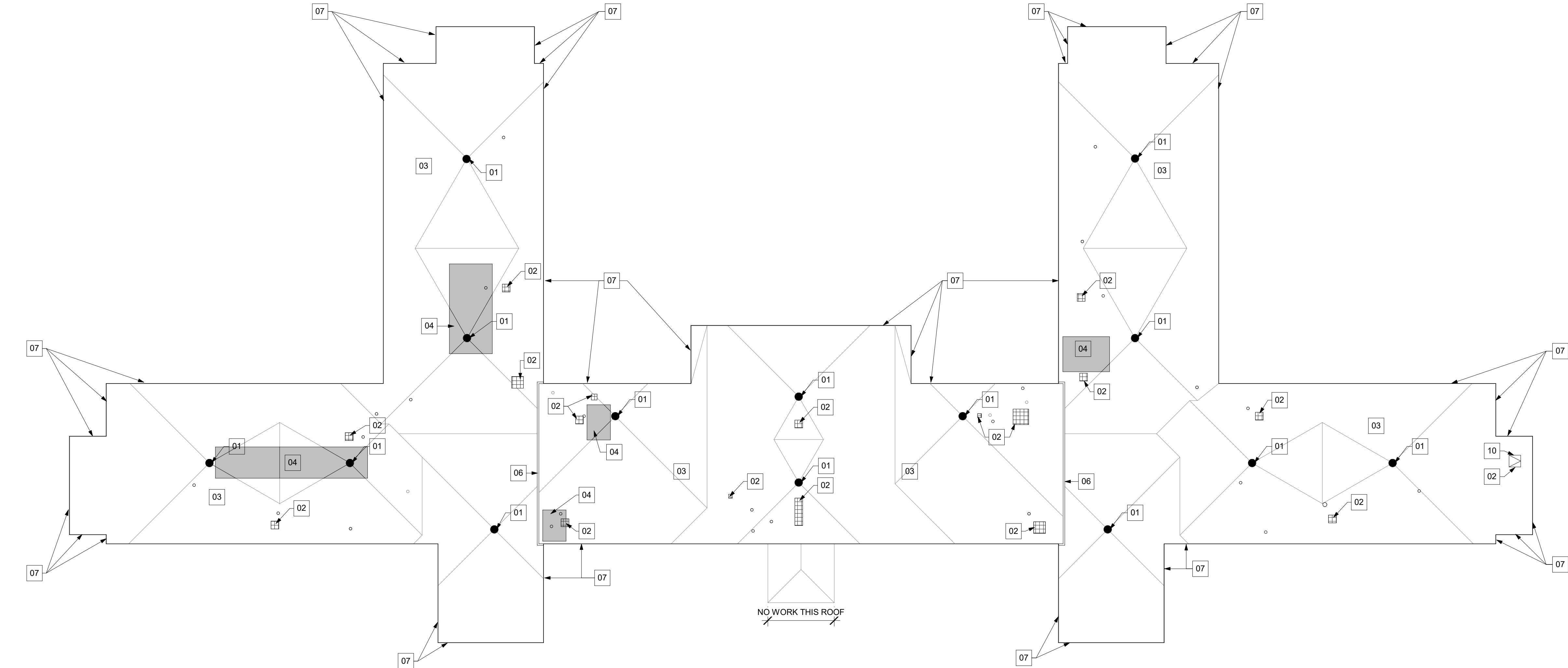
GUHLEMAN  
WEST ROOF  
PLANS

SHEET NUMBER:

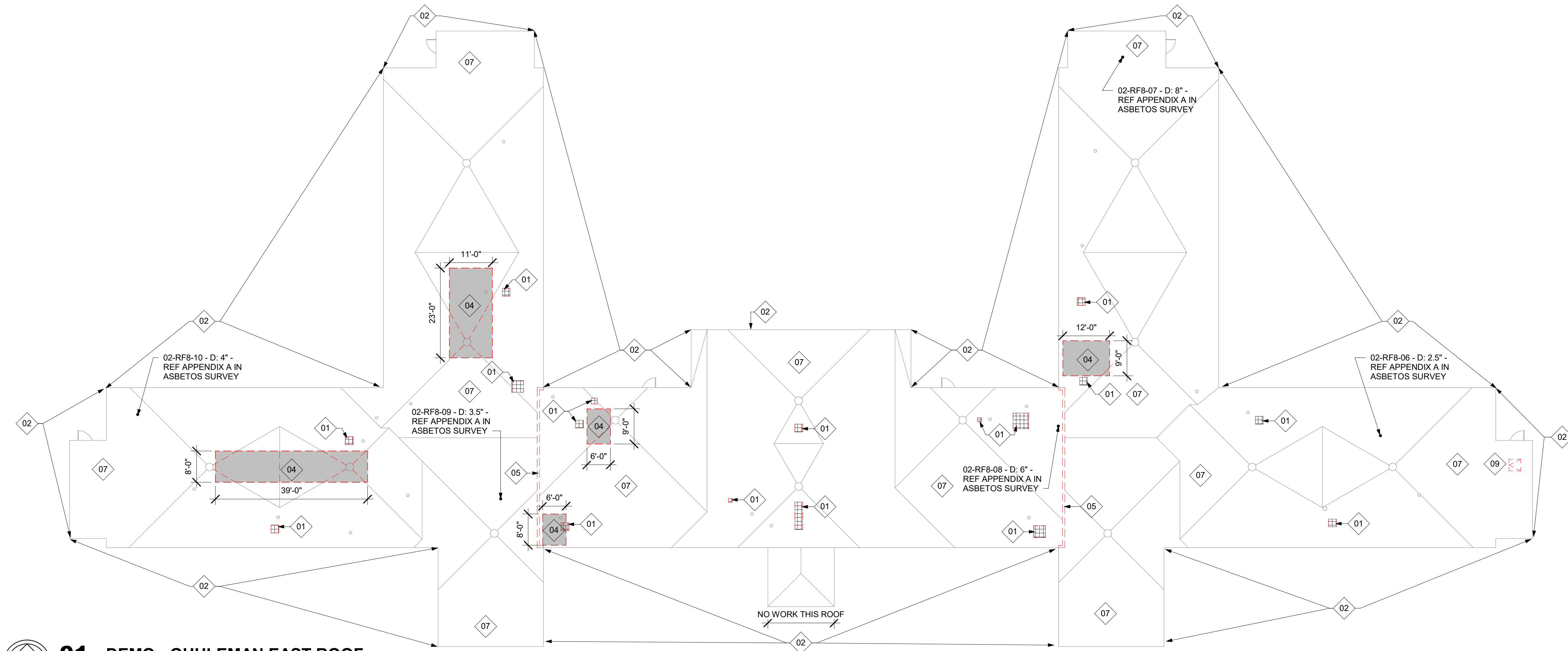
A201

SHEET 3 OF 6  
ISSUE DATE: NOVEMBER 22,  
2019





**02 NEW WORK - GUHLEMAN EAST ROOF**  
A202 1/16" = 1'-0"



**01 DEMO - GUHLEMAN EAST ROOF**  
A202 1/16" = 1'-0"

**NEW WORK GENERAL NOTES**

1. FIELD VERIFY ALL DIMENSIONS. IF DIMENSIONS VARY SIGNIFICANTLY NOTIFY THE ARCHITECT

**ROOF GENERAL NOTES**

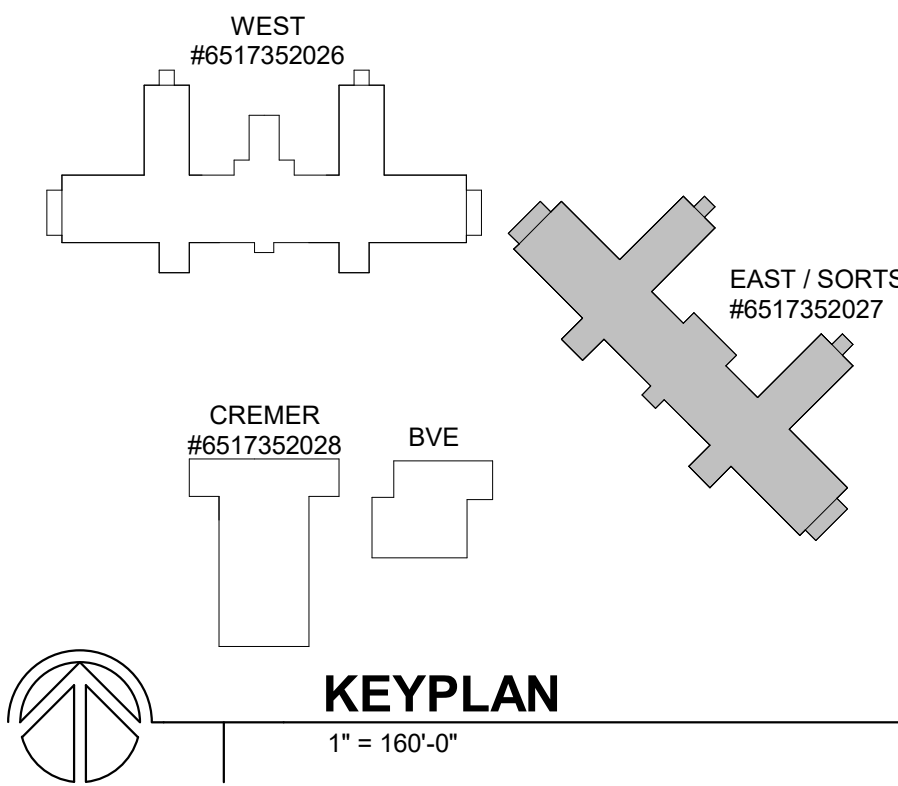
1. NEW BOOT FLASHING AT ALL VENT PIPES
2. NOTES ON DEMOLITION PLANS INDICATE WHERE CORES WERE TAKEN

**KEYNOTES - NEW WORK PLAN**

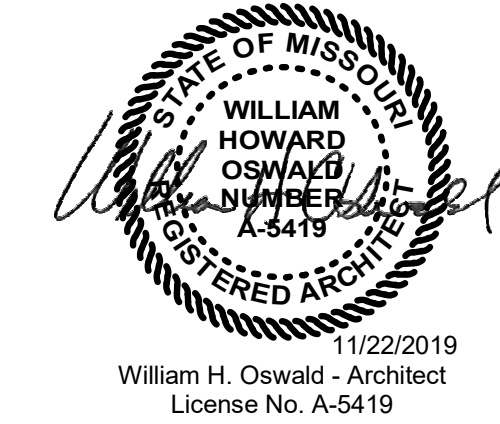
- 01 REWORK ROOF DRAINS: REMOVE CAST IRON GRATE AND CLAMPING RING, AND ALL FLASHING INSIDE DRAIN BODY. CLEAN SURFACES TO ACCEPT NEW EPDM FLASHING. REINSTALL CLAMPING RING AND CAST IRON GRATE - REFER TO A601/01
- 02 INSTALL NEW TPO FLASHING AT EXISTING CURBS UNDER METAL FLASHING
- 03 NEW FULLY ADHERED TPO ROOF ON EXISTING MODIFIED BITUMEN ROOFING
- 04 AT WET AREAS REPLACE INSULATION WITH SAME THICKNESS INSULATION, TAPER, AND COVERBOARD, AND MAKE WATERTIGHT IF RECOVER WILL NOT BE COMPLETED - REFER TO A601/06
- 05 EXISTING DOWNSPOUT TO REMAIN
- 06 FIRE RATED ROOF EXPANSION JOINT - REFER TO A601/04
- 07 NEW METAL ROOF EDGE WITH TPO FLASHING, SEE DTL A601/02
- 08 NEW REGLETT & TURNED UP FLASHING - REFER TO DETAIL A601/05
- 09 REINSTALL SPLASH BLOCKS ON WALK PADS
- 10 ROTATE ROOF HATCH DURING REINSTALLATION SUCH THAT HATCH OPENS AWAY FROM ROOF EDGE

**KEYNOTES - DEMOLITION PLAN**

- 01 EXISTING EXHAUST FAN TO REMAIN (REMOVE EXISTING TURNED UP FLASHING & PREPARE SURFACE FOR NEW TPO ROOFING)
- 02 REMOVE EXISTING ROOF EDGE & FLASHING - PREPARE SURFACE FOR NEW FLASHING & TERM BAR.
- 03 EXISTING ROOF HATCH TO REMAIN
- 04 REMOVE ROOFING (MODIFIED BITUMEN) & INSULATION DOWN TO CONCRETE DECK WHERE INDICATED (WET)
- 05 REMOVE AND DISPOSE OF EXISTING EXPANSION JOINT
- 06 REMOVE EXISTING TURNED UP FLASHING & TERM BAR/REGLET
- 07 POWER SWEEP ENTIRE ROOF SURFACE PRIOR TO INSTALLATION OF NEW TPO ROOFING
- 08 REMOVE & SALVAGE SPLASH BLOCKS FOR REINSTALLATION
- 09 REMOVE EXISTING ROOF HATCH FOR REINSTALLATION
- 10 REMOVE EXISTING LOW ROOF
- 11 REMOVE AND SALVAGE PORTION OF FENCE ABOVE ROOF FOR REINSTALLATION



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Architecture  
Interior Design  
Planning  
Sustainability  
2801 Woodard Drive,  
Suite 103  
Columbia, MO 65202  
573.443.1407  
www.soa-inc.com  
Missouri Certificate of Authority Number: 000826

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND  
CONSTRUCTION

REPLACE ROOF  
GUHLEMAN FORENSIC  
COMPLEX FULTON  
STATE HOSPITAL  
600 EAST 5TH STREET  
FULTON, MISSOURI 65251

PROJECT # M1906-01  
ASSET # 6517352027

**CONSTRUCTION DOCUMENTS**

REVISION	DATE

ISSUE DATE: NOVEMBER 22, 2019

CAD DWG FILE:  
DRAWN BY: KMT & JCM  
CHECKED BY: WHO  
DESIGNED BY: SOA

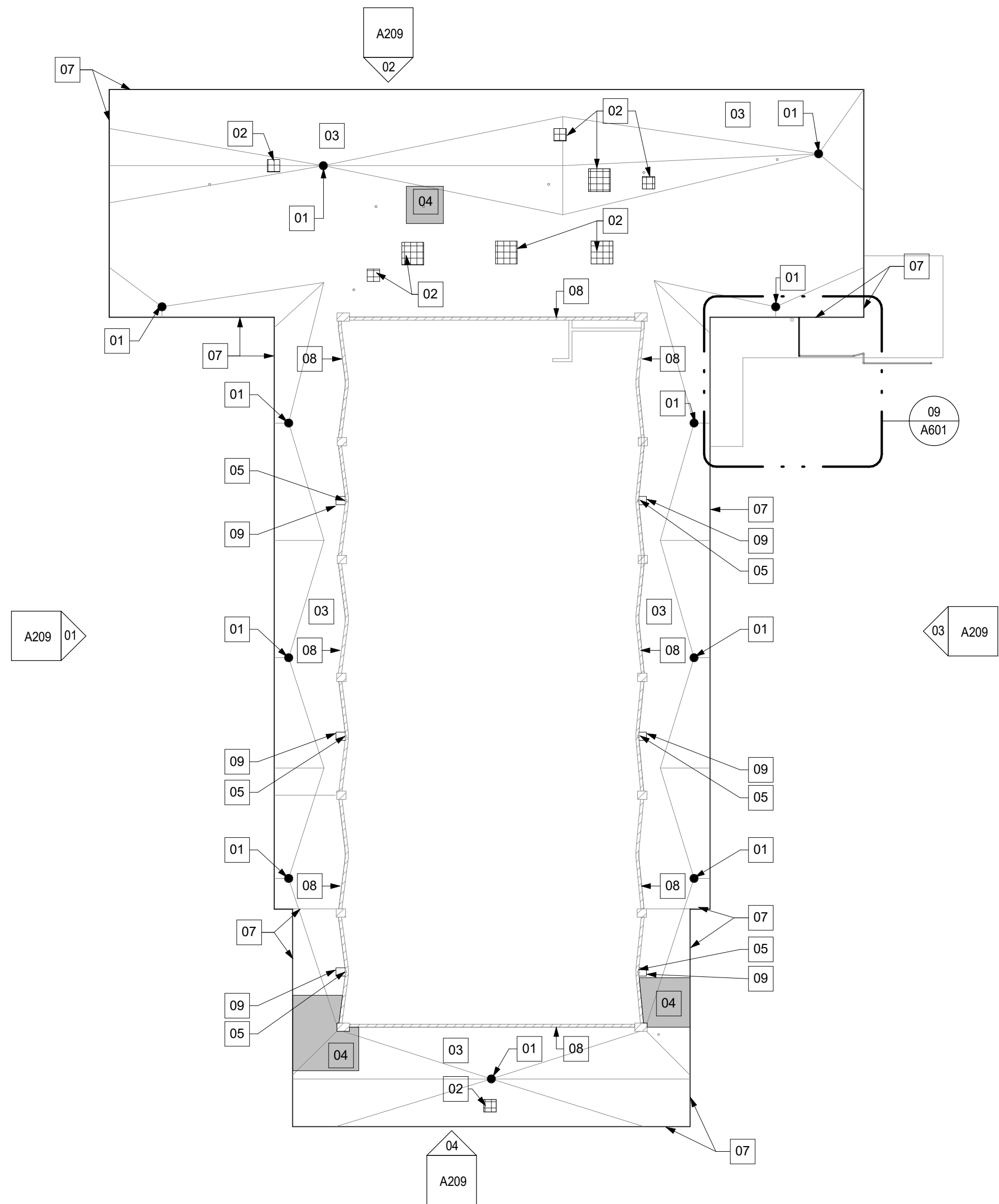
SHEET TITLE:  
**GUHLEMAN  
EAST ROOF  
PLANS**

SHEET NUMBER:

**A202**  
SHEET 4 OF 6  
ISSUE DATE: NOVEMBER 22,  
2019

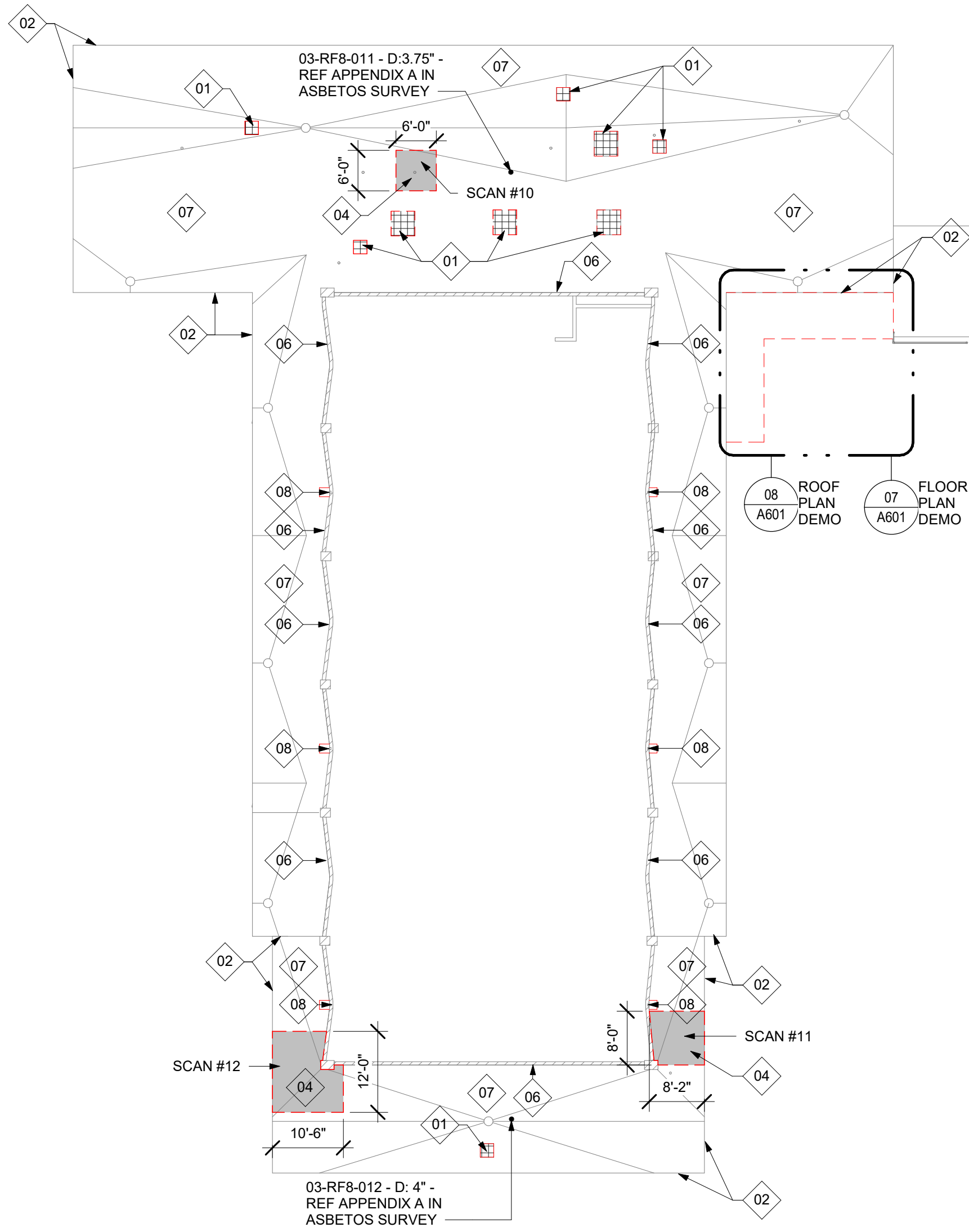


**04 CREMER ACTIVITY CENTER - UPPER ROOF**  
A203 1/16" = 1'-0"



**02 CREMER ACTIVITY CENTER - LOWER ROOF**  
A203 1/16" = 1'-0"

**03 DEMO UPPER ROOF - CREMER ACTIVITY CENTER**  
A203 1/16" = 1'-0"



**01 DEMO LOWER ROOF - CREMER ACTIVITY CENTER**  
A203 1/16" = 1'-0"

**NEW WORK GENERAL NOTES**

1. FIELD VERIFY ALL DIMENSIONS. IF DIMENSIONS VARY SIGNIFICANTLY NOTIFY THE ARCHITECT

**ROOF GENERAL NOTES**

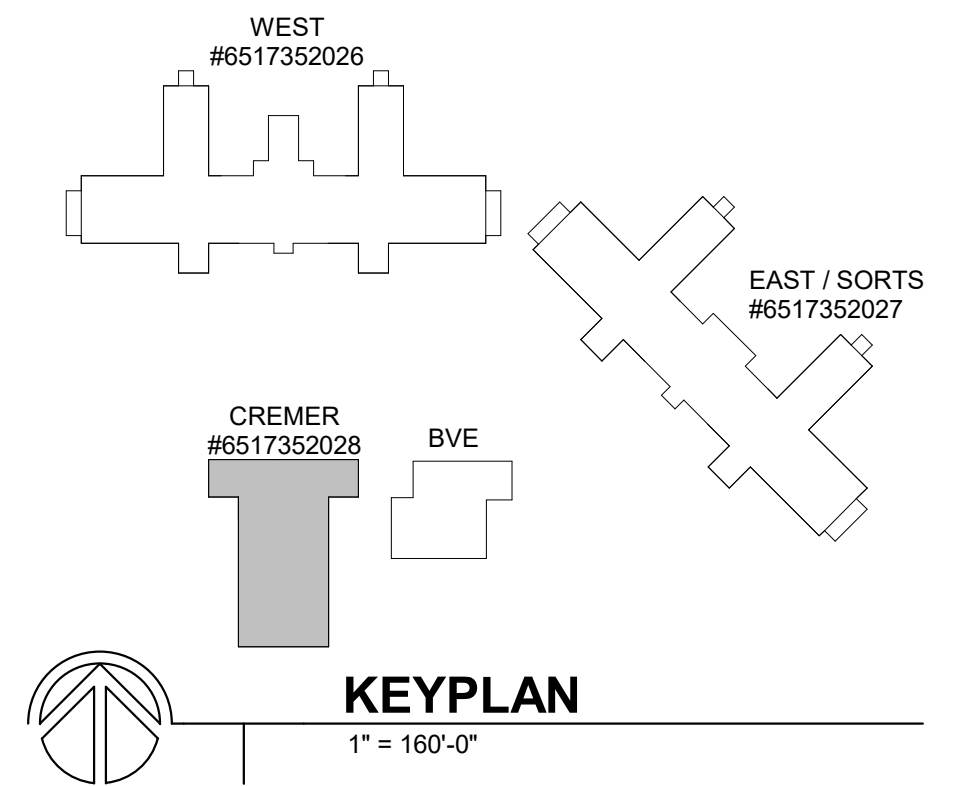
1. NEW BOOT FLASHING AT ALL VENT PIPES
2. NOTES ON DEMOLITION PLANS INDICATE WHERE CORES WERE TAKEN

**KEYNOTES - NEW WORK PLAN**

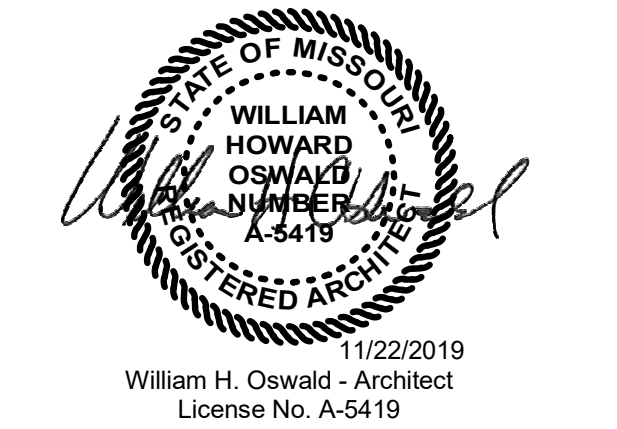
- 01 REWORK ROOF DRAINS: REMOVE CAST IRON GRATE AND CLAMPING RING, AND ALL FLASHING INSIDE DRAIN BODY. CLEAN SURFACES TO ACCEPT NEW EPDM FLASHING. REINSTALL CLAMPING RING AND CAST IRON GRATE - REFER TO A601/01
- 02 INSTALL NEW TPO FLASHING AT EXISTING CURBS UNDER METAL FLASHING
- 03 NEW FULLY ADHERED TPO ROOF ON EXISTING MODIFIED BITUMEN ROOFING
- 04 AT WET AREAS REPLACE INSULATION WITH SAME THICKNESS INSULATION, TAPER, AND COVERBOARD, AND MAKE WATERTIGHT IF RECOVER WILL NOT BE COMPLETED - REFER TO A601/06
- 05 EXISTING DOWNSPOUT TO REMAIN
- 06 FIRE RATED ROOF EXPANSION JOINT - REFER TO A601/04
- 07 NEW METAL ROOF EDGE WITH TPO FLASHING, SEE DTL A601/02
- 08 NEW REGLETT & TURNED UP FLASHING - REFER TO DETAIL A601/05
- 09 REINSTALL SPLASH BLOCKS ON WALK PADS
- 10 ROTATE ROOF HATCH DURING REINSTALLATION SUCH THAT HATCH OPENS AWAY FROM ROOF EDGE

**KEYNOTES - DEMOLITION PLAN**

- 01 EXISTING EXHAUST FAN TO REMAIN (REMOVE EXISTING TURNED UP FLASHING & PREPARE SURFACE FOR NEW TPO ROOFING)
- 02 REMOVE EXISTING ROOF EDGE & FLASHING - PREPARE SURFACE FOR NEW FLASHING & TERM BAR.
- 03 EXISTING ROOF HATCH TO REMAIN
- 04 REMOVE ROOFING (MODIFIED BITUMEN) & INSULATION DOWN TO CONCRETE DECK WHERE INDICATED (WET)
- 05 REMOVE AND DISPOSE OF EXISTING EXPANSION JOINT
- 06 REMOVE EXISTING TURNED UP FLASHING & TERM BAR/REGLET
- 07 POWER SWEEP ENTIRE ROOF SURFACE PRIOR TO INSTALLATION OF NEW TPO ROOFING
- 08 REMOVE & SALVAGE SPLASH BLOCKS FOR REINSTALLATION
- 09 REMOVE EXISTING ROOF HATCH FOR REINSTALLATION
- 10 REMOVE EXISTING LOW ROOF
- 11 REMOVE AND SALVAGE PORTION OF FENCE ABOVE ROOF FOR REINSTALLATION



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Architecture  
Interior Design  
Planning  
Sustainability  
2801 Woodard Drive,  
Suite 103  
Columbia, MO 65202  
573.443.1407  
www.soa-inc.com  
Missouri Certificate of Authority Number: 000826

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND  
CONSTRUCTION

REPLACE ROOF  
GUHLEMAN FORENSIC  
COMPLEX FULTON  
STATE HOSPITAL  
600 EAST 5TH STREET  
FULTON, MISSOURI 65251

PROJECT # M1906-01  
ASSET # 6517352028

**CONSTRUCTION DOCUMENTS**

REVISION	DATE

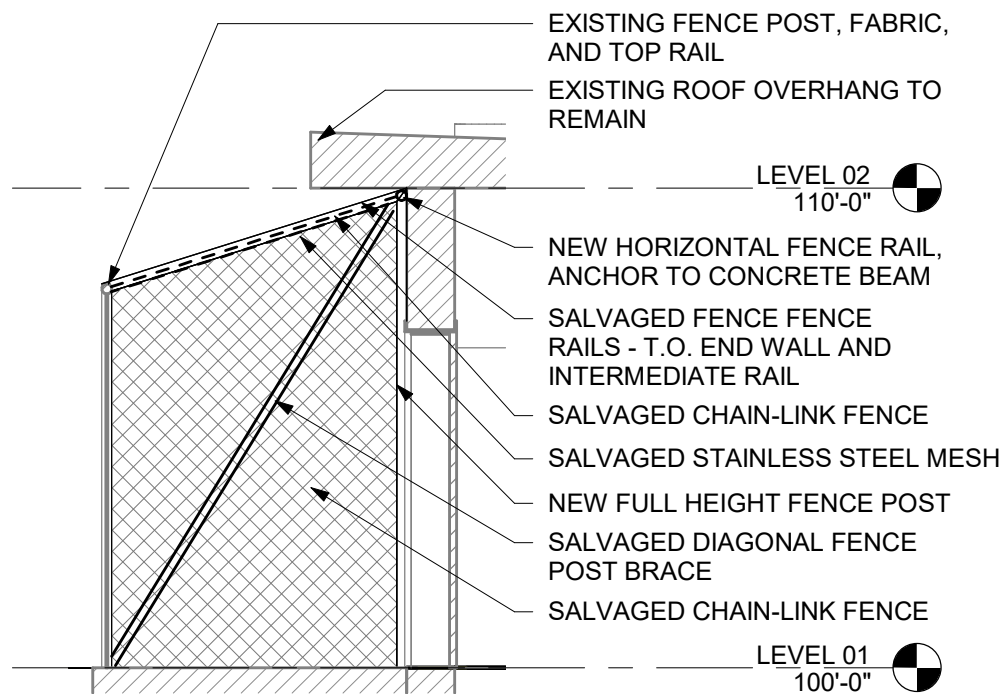
ISSUE DATE: NOVEMBER 22, 2019

CAD DWG FILE:  
DRAWN BY: KMT & JCM  
CHECKED BY: WHO  
DESIGNED BY: SOA

SHEET TITLE:  
**CREMER ROOF  
PLANS**

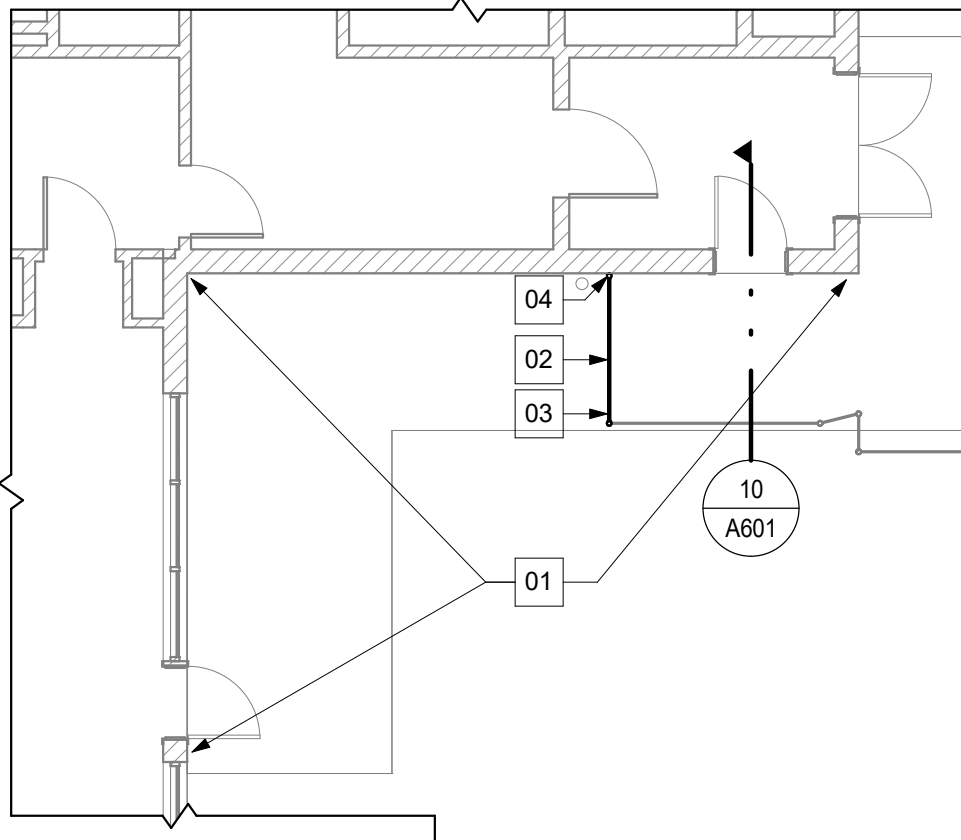
SHEET NUMBER:  
**A203**  
SHEET 5 OF 6  
ISSUE DATE: NOVEMBER 22,  
2019





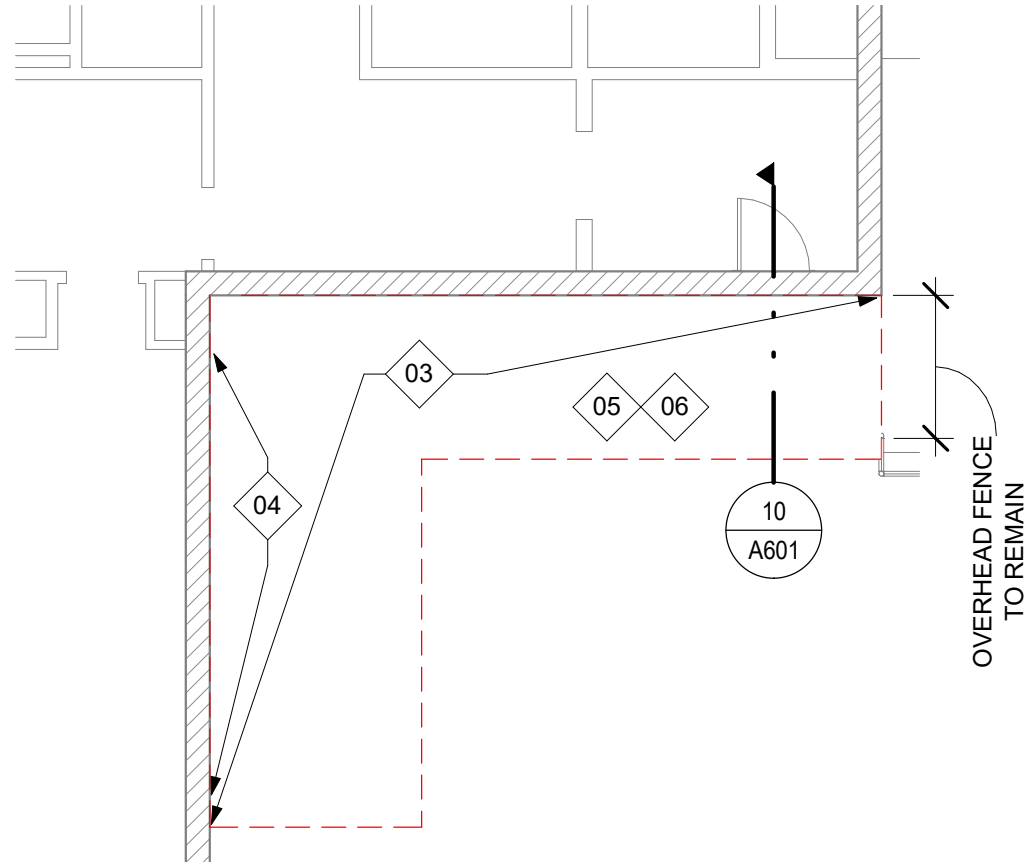
## 10 FENCE SECTION

A601 1/4" = 1'-0"



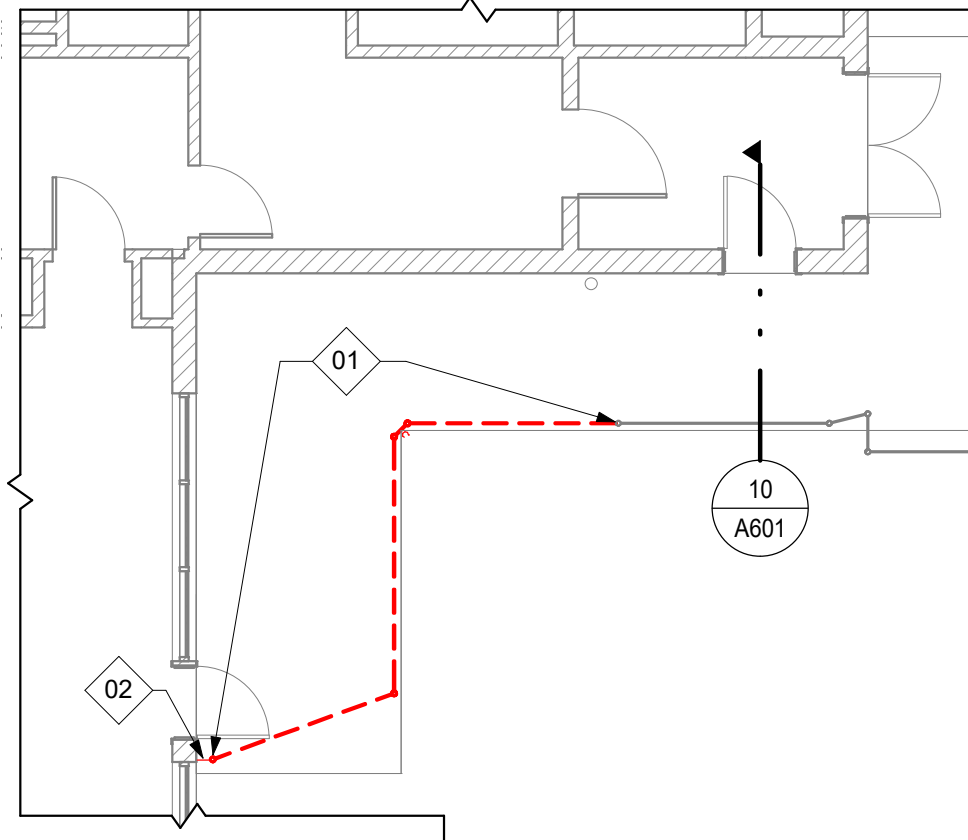
### KEYNOTES - NEW WORK PLAN CREMER

- 01 PATCH CONCRET BEAM WHERE DAMAGED FROM DEMOLITION. CLEAN ROOFING AND ADHESIVE FROM FACE AND PREPARE SURFACE FOR PAINTING BY OWNER.
- 02 INSTALL SALVAGED FENCE TO UNDERSIDE OF EXISTING ROOF ABOVE
- 03 INSTALL NEW DIAGONAL CROSS BRACE IN FENCE
- 04 NEW FENCE POST - ANCHOR BASE PLATE TO CONCRETE SLAB. ANCHOR POST TO WALL AT TOP AND BOTTOM



## 08 DEMO ROOF - CREMER ACTIVITY CENTER

A203/A601 1/8" = 1'-0"



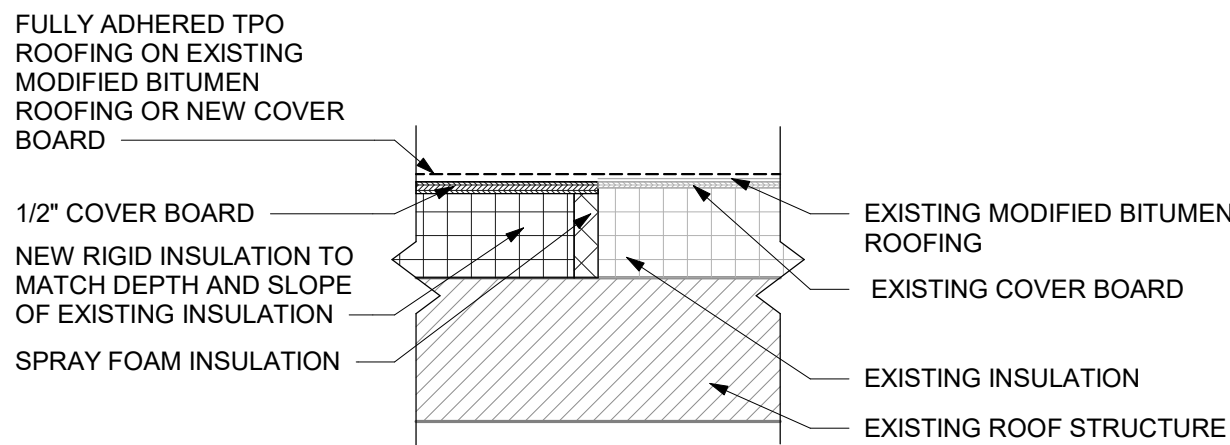
### KEYNOTES - DEMO PLAN CREMER

- 01 REMOVE FENCE BACK TO POST AND SALVAGE FENCE FOR REINSTALLATION
- 02 DEMO METAL MESH AND CAULK ANCHOR HOLES IN EXISTING METAL PANEL
- 03 DEMO ROOF AND ASSOCIATED STRUCTURE
- 04 DEMO STL ANGLE ABOVE WINDOW ANCHORED TO CONCRETE BEAM AND CAULK ANCHOR HOLES
- 05 DEMO (3) LIGHT FIXTURES MOUNTED TO UNDERSIDE OF ROOF
- 06 DEMO ELECTRICAL BACK TO NEXT ACTIVE FIXTURE OR ELECTRICAL PANEL



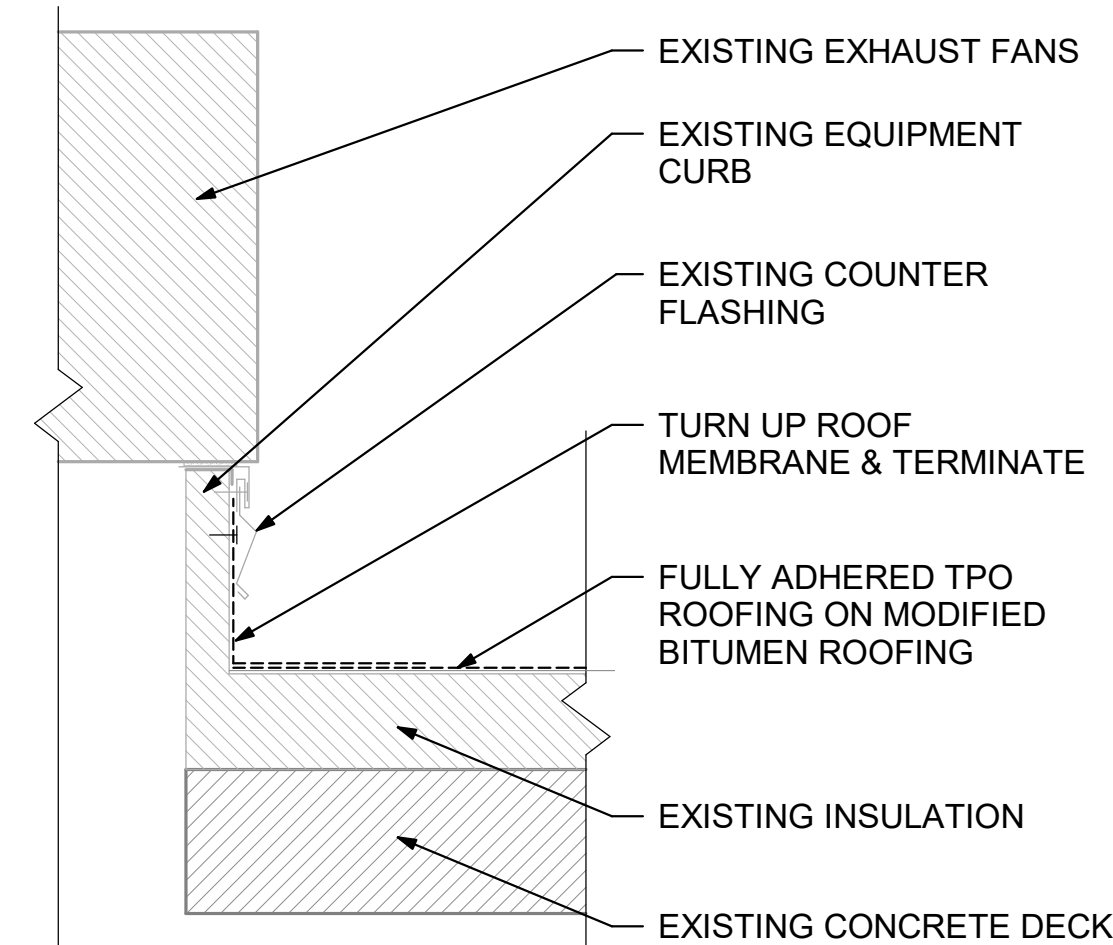
## 09 CREMER ACTIVITY CENTER - LEVEL 01

A203/A601 1/8" = 1'-0"



## 06 INFILL DTL @ FULL DEPTH REPAIR

A601 1 1/2" = 1'-0"



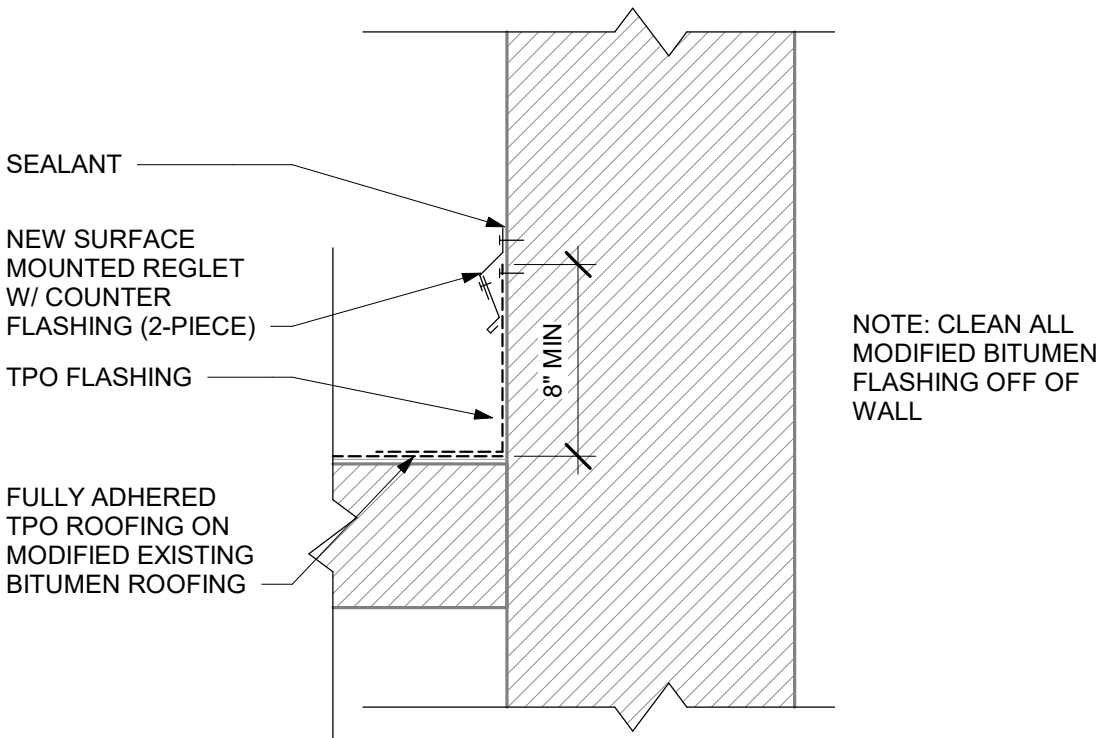
## 03 CURB FLASHING DTL

A601 1 1/2" = 1'-0"



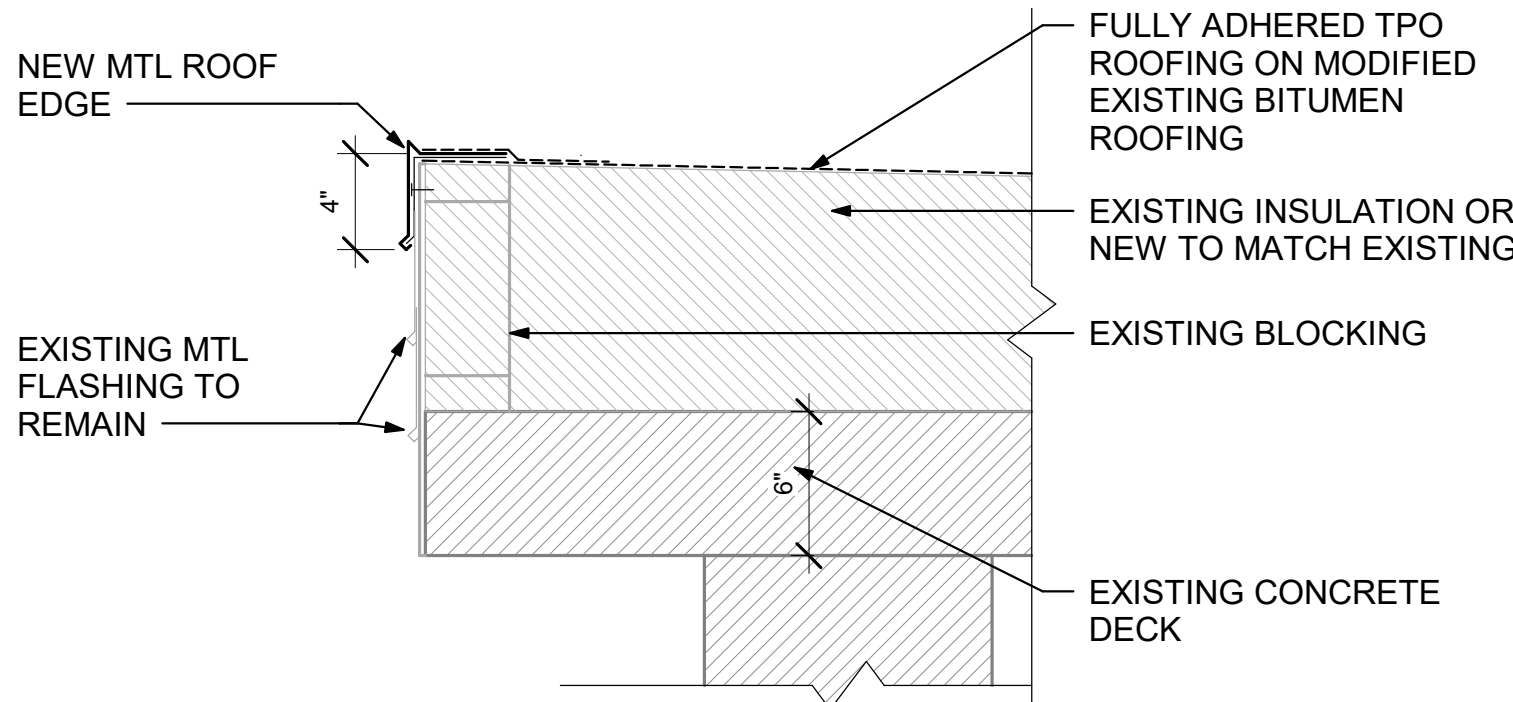
## 05 FLASHING DTL

A203/A601 1/8" = 1'-0"



## 05 FLASHING DTL

A601 1 1/2" = 1'-0"



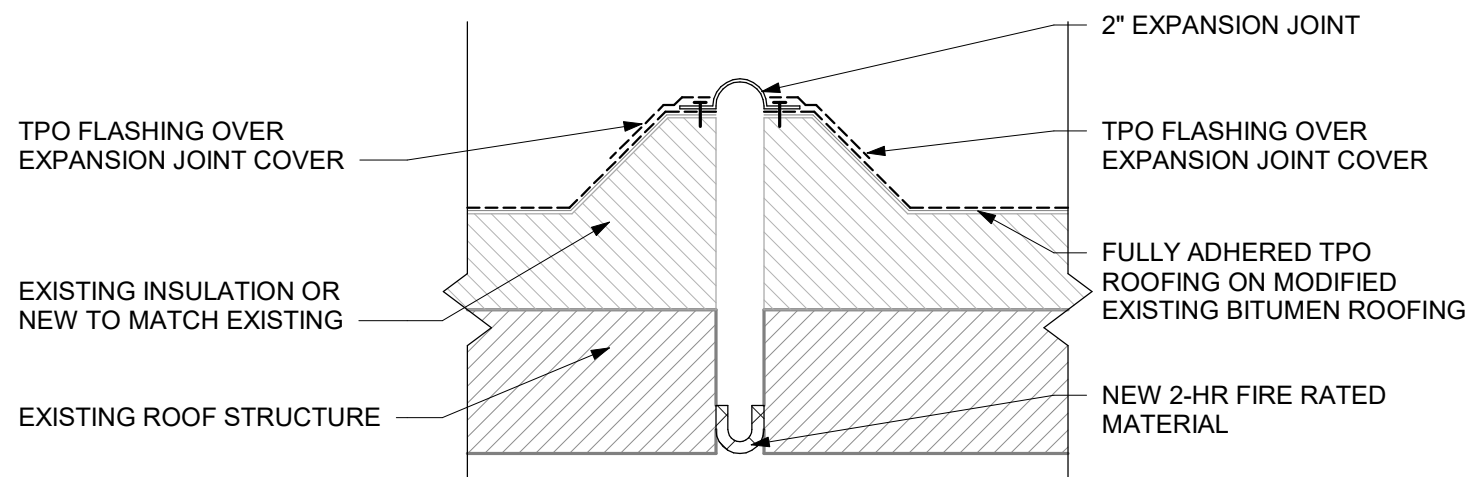
## 02 TYP. ROOF EDGE

A601 1 1/2" = 1'-0"



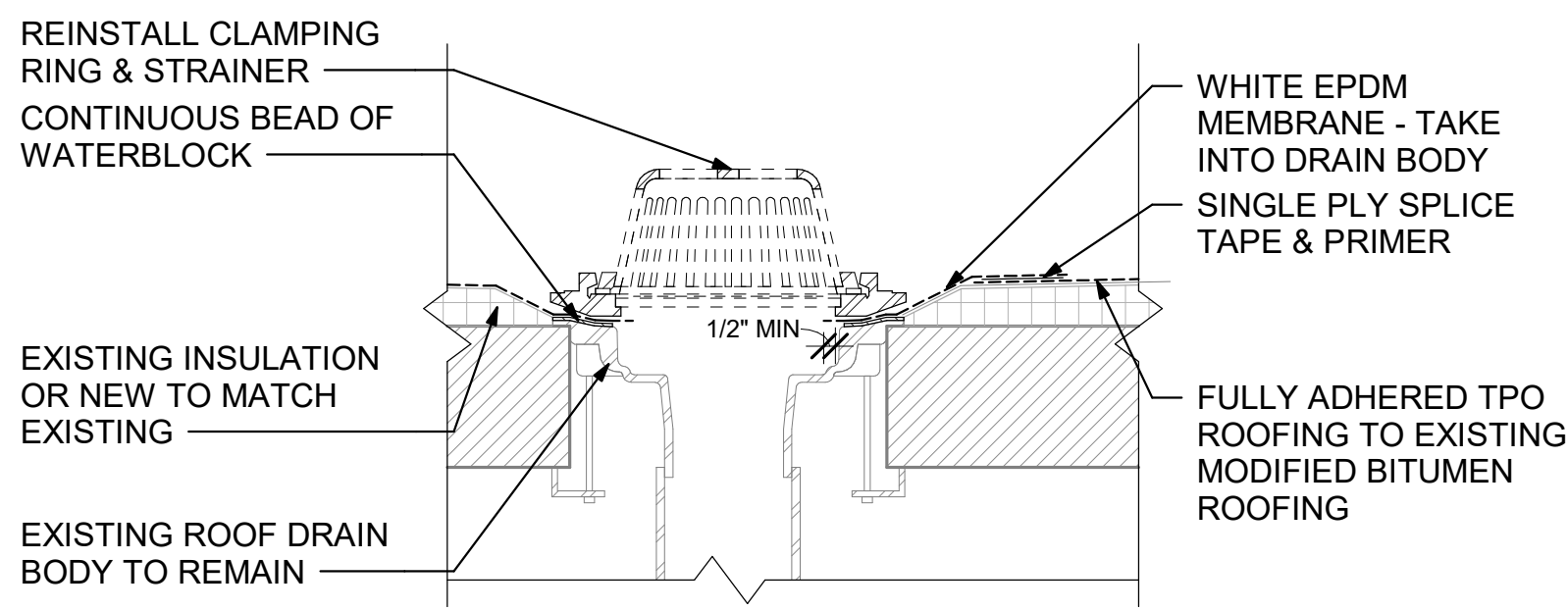
## 07 CREMER ACTIVITY CENTER - DEMO LEVEL 01

A203/A601 1/8" = 1'-0"



## 04 EXPANSION JOINT DTL

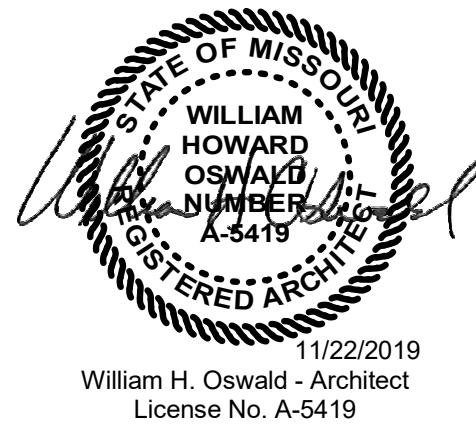
A601 1 1/2" = 1'-0"



## 01 TYP. ROOF DRAIN

A601 1 1/2" = 1'-0"

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Architecture  
Interior Design  
Planning  
Sustainability  
2801 Woodard Drive,  
Suite 103  
Columbia, MO 65202  
573.443.1407  
www.soa-inc.com  
Missouri Certificate of Authority Number: 000826

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND  
CONSTRUCTION

REPLACE ROOF  
GUHLEMAN FORENSIC  
COMPLEX FULTON  
STATE HOSPITAL  
600 EAST 5TH STREET  
FULTON, MISSOURI 65251

PROJECT # M1906-01

### CONSTRUCTION DOCUMENTS

REVISION	DATE

ISSUE DATE: NOVEMBER 22, 2019

CAD DWG FILE:  
DRAWN BY: KMT & JCM  
CHECKED BY: WHO  
DESIGNED BY: SOA

SHEET TITLE:

CONSTRUCTION  
DETAILS

SHEET NUMBER:

A601

SHEET 6 OF 6  
ISSUE DATE: NOVEMBER 22,  
2019